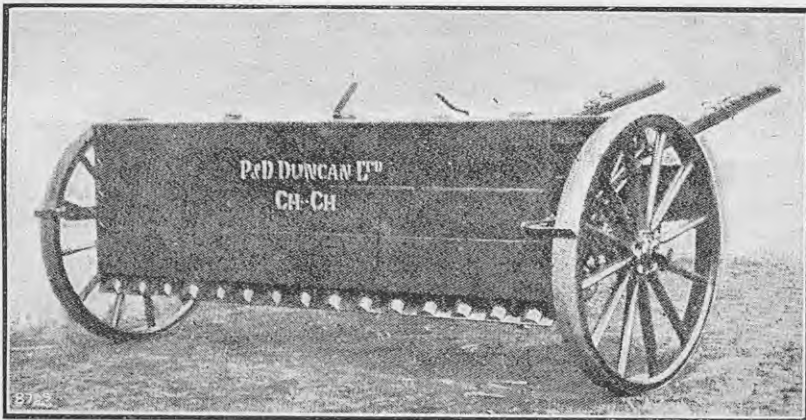


parts of Canterbury, Marlborough, and southern Nelson. It is also known to exist at Lake Hayes in Otago, and occurs in parts of the east coast section of the North Island. Such deposits are of very great agricultural value, and the farming community generally should appreciate that fact sufficiently so that adequate steps might be taken by the farmers themselves to make these deposits available at a reasonable cost for application to widely scattered sour soils.

To test the naturally ground carbonate of lime from the Waikari deposits, and generally to provide further evidence of the value of this form of lime (under New Zealand soil-conditions), an extensive series of demonstration experiments were initiated last spring throughout the Canterbury Province by the Fields



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Division of the Department. Differing quantities of burnt lime and of carbonate of lime were sown on plots to be manured and unmanured alternately. The crops sown were either turnips to be followed by grass sown in 1916, or rape with grass sown at the same time. The effects of the various forms and quantities of lime are to be followed in the grass crop from year to year for the next few years. It is expected that the burnt lime will give the best results in the early stages of the experiments, for reasons mentioned above, but as time goes on the carbonate of lime will be expected to present the best showing. The past season has been dry in Canterbury, consequently no signs of results can be expected at the close of this autumn. Next spring the first results may be looked for.